



Memorandum

To: Honorable Mayor Maso and Members of the Frisco City Council

cc: George Purefoy, City Manager
Cissy Sylo, P.E., Director of Engineering Services

From: Brian A. Moen, P.E., Assistant Director/Transportation
Shelley Lang, P.E., Traffic Engineer

Date: November 18, 2008

Subject: Consider and act upon an amendment to Ordinance 07-09-45 establishing maximum speed limits on city streets within the City of Frisco

Action Requested: Consider and act upon an amendment to Ordinance 07-09-45 establishing maximum speed limits on city streets within the City of Frisco.

Background Information: In September 2007, the City Council adopted Ordinance 07-09-45 to establish speed limits within the City of Frisco.

Speed limits are established either by a speed study or a trial run. Speed studies are used to measure the 85th percentile speed. The 85th percentile speed is a value that is used in many states and cities for establishing speed limits. The theory behind the 85th percentile speed assumes most drivers are reasonable and prudent and desire to reach their destination in the shortest possible time. Speed limits are also established by trial run. A trial run is made by driving a roadway segment at various speeds and utilizing engineering judgment to determine a safe driving speed. The "prima facie" speed limit in an urban area is 30 miles per hour (mph) according to the Texas Transportation Code. Unless a speed limit sign is posted on a roadway, a roadway is assumed to have a 30 mph speed limit in an urban area.

Due to existing growth and new roadway construction, city staff is recommending modifying the speed limit on several roadway segments. The amendment to this Ordinance also includes the speed limits for new roadway segments if the speed limit is different than 30 mph. We are proposing to change the posted speed limit on some streets to the prima facie speed (30 mph) and therefore they will no longer be listed in Exhibit A of the Speed Limit Ordinance. The following table summarizes this and the other revisions to speed limits proposed with this Ordinance:

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Street Name	Description	Existing Speed Limit (mph)	Proposed Speed Limit (mph)
Avenue of the Stars	Miners Creek Road to Gaylord Parkway	N/A	25
Burnham Street	West Library Street to Moore Street	25	30
Church Street	Frisco Square Boulevard to Page Street	25	30
Clarkson Street	Moore Street to Library Street	25	30
Coleman Boulevard	Main Street to Frisco Square	25	30
Cotton Gin Road	Legacy Drive to Dallas North Parkway	N/A	45
CR 712	Frisco Street to BNSF Railroad	35	40
CR 712	BNSF Railroad to North County Road	35	35
Dallas Parkway	SH 121 to Gaylord Parkway	45	50
Dallas Parkway	Gaylord Parkway to Warren Parkway	45	50
Dallas Parkway	Main Street to Eldorado Parkway	45	50
Dallas Parkway	Eldorado Parkway to Panther Creek Parkway	45	50
Dallas Parkway	Panther Creek Parkway to US 380	45	55
East Library Street	Page Street to Burnham Street	25	30
Frisco Square Boulevard	Dallas Parkway to John W. Elliott Drive	25	30
Gaylord Parkway	Warren Parkway to Dallas Parkway	35	40
Gaylord Parkway	Preston Road (SH 289) to Ohio Drive	45	40
Goodhue Street	Cotton Gin Road to Clarkson Street	25	30
Gordon Street	Moore Street to Library Street	25	30
Hawkins Lane	900 feet north of Little River Drive northern curb line (End of School Zone) to Panther Creek Road	N/A	35
Hillcrest Road	Eldorado Parkway to Panther Creek Parkway	40	45
Independence Parkway	SH 121 to Lebanon Road	35	45
Independence Parkway	Lebanon Road to Rolater Road	35	45
Independence Parkway	Rolater Road to Main Street	35	45
Independence Parkway	Eldorado Parkway to North City Limits	40	45
John W. Elliott Drive	Burnham Street to Main Street	25	30
John W. Elliott Drive	Main Street to 393 Feet North of Northern Curb Line of Technology Drive	30	35
Lebanon Road	FM 423 to Village Boulevard	40	45
Lebanon Road	Village Boulevard to Legacy Drive	40	45
Legacy Drive	Eldorado Parkway to Panther Creek Parkway	N/A	45
Library Street	Burnham Street to Cotton Gin Road	25	30
Library Street	Page Street to Frisco Square Boulevard	25	30
Miners Creek Road	Warren Parkway to Avenue of the Stars	N/A	25
Moore Street	Burnham Street to Clarkson Street	25	30
Page Street	Dallas Parkway to John W. Elliott Drive	25	30
Panther Creek Parkway	Teel Parkway to Dallas Parkway	N/A	45
Panther Creek Road	FM 423 to Hawkins Lane	N/A	35
Parkwood Boulevard	John Hickman Parkway to Lebanon Road	40	45
Rifle Gap Road	Warren Parkway to Avenue of the Stars	N/A	25
Rock Creek Parkway	Lebanon Road to The Hills of Kingswood Subdivision Entrance	N/A	40
Rolater Road	Coit Road to Independence Parkway	N/A	45

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Street Name	Description	Existing Speed Limit (mph)	Proposed Speed Limit (mph)
Short Street	Cotton Gin Road to Clarkson Street	25	30
Stonebrook Parkway	West City Limits to FM 423	40	45
Stonebrook Parkway	Teel Parkway to Legacy Drive	N/A	45
Teel Parkway	Lebanon Road to High Shoals	40	45
Teel Parkway	High Shoals to Main Street	40	45
Teel Parkway	Eldorado Parkway to 900 feet north of Little River Drive northern curb line (End of School Zone)	N/A	45
Wade Boulevard	Preston Road to Ohio Drive	35	40
Warren Parkway	Legacy Drive to Gaylord Parkway	40	45
Warren Parkway	Gaylord Parkway to Dallas Parkway	40	45
Warren Parkway	Ohio Drive to Hillcrest Road	35	40
West Library Street	Page Street to Burnham Street	25	30
4 th Army Memorial Drive	Cotton Gin Road to Lebanon Road	N/A	35

Alternatives: The City Council could consider the following alternatives:

- Approval of Ordinance to modify maximum speed limits on identified streets within the City of Frisco;
- Send back to staff with direction.

Financial Considerations: The cost of any sign changes will be absorbed through approved General Operating funds.

Legal Review: City legal staff has reviewed and approved the Ordinance as to form.

Supporting Documents: Proposed Ordinance and Exhibits showing proposed speed limit changes.

Staff Recommendation: Staff recommends the approval of the attached Ordinance.